			in
·	Application No.	Applicant(s)	
	10/713,171	MOTAMEDI ET AL.	:
Notice of Allowability	Examiner	Art Unit	:
	Las Bautaikaria	2872	:
	Leo Boutsikaris	2012	
The MAILING DATE of this communication appea All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED ir or other appropriate commu GHTS. This application is s	n this application. If not included unication will be mailed in due cou	rse. THIS
1. 🔯 This communication is responsive to amendment filed on &	<u>/9/2004</u> .		
2. 🔀 The allowed claim(s) is/are <u>11-18 and 20</u> .			, .
3. $igotimes$ The drawings filed on <u>15 November 2003</u> are accepted by t	the Examiner.		·
4. Acknowledgment is made of a claim for foreign priority un	der 35 U.S.C. § 119(a)-(d)	or (f).	•
a) ☐ All b) ☐ Some* c) ☐ None of the:	2 (, , , ,	.,	*
1. Certified copies of the priority documents have	been received.		٠;
2. Certified copies of the priority documents have	been received in Application	on No	į
3. Copies of the certified copies of the priority doc	cuments have been received	d in this national stage application	from the
International Bureau (PCT Rule 17.2(a)).		•	
* Certified copies not received:			•
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the require	ements
 A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 			CE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.		
(a) ☐ including changes required by the Notice of Draftsperso		v (PTO-948) attached	₹.
1) hereto or 2) to Paper No./Mail Date			44.
(b) ☐ including changes required by the attached Examiner's	Amendment / Comment or	in the Office action of	
Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1.3 each sheet. Replacement sheet(s) should be labeled as such in the			k) of
7. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F			the
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A44.a.b		•	
Attachment(s) 1. □ Notice of References Cited (PTO-892)	5. ☐ Notice of In	formal Patent Application (PTO-15	52)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413),	, ·
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No./	Mail Date ^/ Amendment/Comment	•
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8 🕅 Evaminar's	Statement of Reasons for Allowar	nce
of Biological Material	9.		/
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Application/Control Number: 10/713,171

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Ali Dabiri on 8/30/2004.

The application has been amended as follows:

IN THE CLAIMS

In claim 11, line 9, "can be" is replaced by --being--.

In claim 11, line 11, the word "are" is replaced by --is--.

In claim 11, line 12, "for achieving" is replaced by --wherein--.

In claim 11, line 13, the phrase -- are achieved -- is inserted after the word "delays".

In claim 15, line 2, the word "dimensions" is replaced by --dimension--.

It is noted that Applicant inadvertently did not strike through a portion of claim 16 in deleting said portion in his response filed on 8/9/2004. The correct version of claim 16, as it was amended on 8/9/2004, is as follows;

16. The MOEMS of Claim 11, wherein the wavelength λ of the incident wave is known, and the angle of [incident] <u>incidence</u> is selected to force the beam to have a maximum diffracted power in "-1 order" [and strikes perpendicular on the focusing lens and scanner mirror].

It is noted that Applicant inadvertently did not cancel claim 21 in his response filed on 8/9/2004. Claim 21 is canceled.

The following is an examiner's statement of reasons for allowance:

Claims 11-18, 20 are allowable over the prior art of record for at least the reason that even though the prior art discloses rapid scanning optical delay systems using bulk optical components, the prior art fails to teach or reasonably suggest a micro-opto-electro-mechanical system designed for a scanning optical delay line, wherein each of the components is fabricated using MOEMS technology and wherein at least approximately 100 pico-second delays are achieved, as set forth by the claimed combination.

It is the integration of all the separate components into one integrated platform using MOEMS technology that allows more efficient alignment and the claimed low optical delay of 100 ps.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Leo Boutsikaris whose telephone number is 571-272-2308. Application/Control Number: 10/713,171

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Leo Boutsikaris, Ph.D. Patent Examiner, AU 2872 September 5, 2004